OPTICAL RECORDING MEDIUM AND METHOD FOR OPTICALLY RECORDING/REPRODUCING USING OPTICAL RECORDING MEDIUM



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- european:

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Abstract of JP2002293031

PROBLEM TO BE SOLVED: To provide a recording material for an optical recording medium applicable to a high density optical disk system using a semiconductor laser having an oscillation wavelength in a shorter wavelength, as compared with that of a conventional system, having excellent light resistance and storage stability, and to provide a recording material for a CD-R recordable and reproducible in a present system and reproducible even in a high density optical disk system of a next generation. SOLUTION: The optical recording medium comprises at least a recording layer provided directly or through an undercoating layer on a substrate. In this medium, the layer contains at least one type selected from the group consisting of a compound represented by formula (I) and/or (II) and a coordination compound of a metal compound.

$$X_{3} \xrightarrow{X_{4}} N = N \xrightarrow{R} N \stackrel{R_{3}}{=} M (1)$$

$$X_2 \xrightarrow{X_1} N = N \xrightarrow{Y_2} Y_2$$

$$X_3 \xrightarrow{X_4} Y_4 \xrightarrow{Y_4} Y_5$$

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